# Sto-Soft Fibre Board M 039

# Sustainability

## Data for building certification systems

| Deutsche Gesellschaft für Nachhaltiges Bauen e.V. (German Sustainable Building Council, DGNB for short) | | |
|---|---|---|
| **ENV1.2, Version 2018** | Product group: | No. 45: Insulants made of renewable raw materials |
| | Quality level: | Meets quality level 4 – Boron compounds reproductive toxicity < 0.1 % |
| **ENV1.2, Version 2023** | Product group: | No. 45: Insulants made of renewable raw materials |
| | Quality level: | Meets quality level 4 – Boron compounds reproductive toxicity < 0.1 % |
| **ENV1.2, Version 2023** | Product group: | no. 45: insulants made of renewable raw materials, interior and exterior |
| | Quality level: | meets quality level 4 – for exterior applications boron compounds reproductive toxicity <0.1 % |

| Qualitätssiegel Nachhaltiges Gebäude (German Quality Label for Sustainable Building, QNG for short) | | |
|---|---|---|
| **Annex document 313 dated 14 September 2023** | Product group: | No. 12.4: Insulants made from renewable raw materials in interiors as well as in timber frame constructions |
| | Quality level: | Met – Boron compounds reproductive toxicity ≤ 0.10 % and biocidal substances declaration (if used) |
| **Proposal for assignment: LCA calculation values for QNG Sustainable Building Certification** | 5.32 Wood-fibre insulation boards | |

| Bewertungssystem Nachhaltiges Bauen (German Assessment System for Sustainable Building, BNB for short) | | |
|---|---|---|
| **BNB_BN 1.1.6, Version 2015** | Product group: | No. 46b: Insulants made of renewable raw materials |
| | Quality level: | Meets quality level 5 – Boron compounds reproductive toxicity < 0.1 % (see Annex 2, F) |

| Leadership in Energy and Environmental Design (LEED v. 4.1) | |
|---|---|
| **VOC content (EQ Credit: Low-emitting materials)** | 0 g/l<br>Met in accordance with LEED v.4 |

| **Leadership in Energy and Environmental Design (LEED v. 4.1)** | | |
|---|---|---|
| **VOC emissions (EQ Credit: Low-emitting materials)** | Requirement: | Not relevant as exterior product |
| **SVOC emissions (EQ Credit: Low-emitting materials)** | Requirement: | Not relevant as exterior product |
| **Formaldehyde emissions (EQ Credit: Low-emitting materials)** | Requirement: | Not relevant as exterior product |
| **Recycling percentage (post-consumer recycled content) (MR Credit: Sourcing of raw materials)** | 0 % | |
| **Recycling percentage (pre-consumer recycled content) (MR Credit: Sourcing of raw materials)** | 0 % | |
| **Renewable raw materials (bio-based materials) (MR Credit: Sourcing of raw materials)** | 100 % | |

| **Building Research Establishment Environmental Assessment Method (BREEAM)** | | |
|---|---|---|
| **VOC content (EQ Credit: Low-emitting materials)** | 0 g/l<br>Met in accordance with BREEAM | |
| **VOC emissions (Hea 02: indoor air quality)** | Requirement: | Not relevant as exterior product |
| **SVOC emissions (Hea 02: indoor air quality)** | Requirement: | Not relevant as exterior product |
| **Formaldehyde emissions (Hea 02: indoor air quality)** | Requirement: | Not relevant as exterior product |
| **CMR emissions (Hea 02: indoor air quality)** | Requirement: | Not relevant as exterior product |

| EU Taxonomy Regulation (EU) 2020/852 | | |
|---|---|---|
| **Compliant with Annex C** | Met | |
| **Note** | This statement is based on the formulation data of Sto SE & Co. KGaA and information from our upstream suppliers. | |
| **Formaldehyde emissions** | Requirement: | Not relevant as exterior product |
| **Other carcinogenic VOCs in categories 1A and 1B (CMR)** | Requirement: | Not relevant as exterior product |
| **Compliant with minimum social requirements (human rights, German Supply Chain Due Diligence Act, etc.)** | https://www.sto.de/s/unternehmen/compliance | |

## Eco-labels and environmental labels

| Eco-label, certificates | | |
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| **Eco-label, certificates** | Blauer Engel: DE-UZ 140 "Umweltfreundliche Wärmedämmverbundsysteme"; Zertifikat 39168, 44176 | |
| **ISO certification 9001, 14001, 50001** | https://www.sto.de/s/unternehmen/managementsysteme | |
| **Environmental Product Declaration (EPD)** | NEPD-17463-21836 | |
| **Product-specific working life (in accordance with BNB service life table)** | Years: | > 50 years |
| | Application range: | exterior |
| **Product-specific working life (in accordance with EPD)** | Years: | > 50 years |
| | Application range: | exterior |
| **GISCODE** | See SDS (section 15) | |

## Product ingredients

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| **Organic component (in accordance with natureplus / baubook)** | <5% |

| | | |
|---|---|---|
| **Hazardous substances (in accordance with EU regulations)** | See SDS (section 3) | |
| **CMR substances (VOC)** | Cannot be determined (limit of quantification: 1 mg/kg) (in accordance with DIN EN ISO 17895) | |
| **VOC content (in accordance with Directive 2004/42/CE)** | Not subject to the directive | |
| **Solvent (in accordance with VdL Directive 01)** | Content: | < 700 mg/kg<br>solvent-free |
| | Base: | According to formulation evaluation |
| **Plasticiser (in accordance with VdL Directive 01)** | Content: | < 500 mg/kg<br>Plasticiser-free |
| | Base: | According to formulation evaluation |
| **Free formaldehyde (in accordance with VdL Directive 01)** | Content: | < 2 mg/kg<br>Formaldehyde-free |
| | Base: | According to formulation evaluation |
| **Biocide(s), active substance(s) for protection of the coating (in accordance with Regulation (EU) No 528/2012)** | Not present | |
| **Biocide(s), active substance(s) for protection of the product during storage (in accordance with Regulation (EU) No 528/2012)** | Not present | |
| **Heavy metals** | Not assessed | |
| **Compliant with the emissions restrictions of the titanium dioxide industry (in accordance with Directive 2010/75/EU and 25th Ordinance for the Implementation of the Federal Immission Control Act)** | Not applicable, as titanium dioxide is not present in the product | |

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| **SVHC in accordance with the REACH chemicals regulation (EC/1907/2006), Annex XIV** | Content: | <0,1% |
| | Base: | According to formulation evaluation |

## Carbon footprint

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| **A1-A3 (cradle to gate – manufacturing)** | -3.02 kg $CO_2e$ / $m^2$ |
| **A4 (transport from manufacturer to site)** | 0.315 kg $CO_2e$ / $m^2$ |
| **A1-C4 (cradle to grave – life cycle)** | 4.57 kg $CO_2e$ / $m^2$ |
| **D (Benefits and loads beyond the system boundary)** | -0.21 kg $CO_2e$ / $m^2$ |
| **A1-D (cradle to cradle – life cycle including benefit)** | 4.36 kg $CO_2e$ / $m^2$ |

## Disposal, reuse, recycling

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| **Recycling of site residue** | Correctly sorted, clean material can be recycled |
| | See SDS (section 13) |
| **Recycling of dismantled building material** | Can be reworked |
| | See Environmental Product Declaration (EPD) |
| **Recycling of packaging material** | Can be reused or recycled |
| | See https://www.sto.de/s/service-tools/entsorgung |
| **Circular economy at Sto** | Https://www.sto.de/s/nachhaltigkeit/kreislaufwirtschaft |

## Corporate responsibility at Sto

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| **Guiding principles, management of the company** | Sto's vision is to be the technology leader in the sustainable design of living space tailored to human needs. Worldwide. For further information please visit: www.sto.com |

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| **UN Global Compact - membership** | Sto is a member of the UN Global Compact and is committed to upholding ten universally acknowledged principles taken from the areas of human rights, labour standards, environmental protection, and anti-corruption. For further information please visit: www.unglobalcompact.org |
| **Supplier code of conduct** | Https://www.sto.de/cepcom/de/Dokumente/Unternehmen/Lieferanten/Sto-Supplier-Code-of-Conduct_01_12-23-(1).pdf |

## Notes

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| **Version** | 10 |
| **Creation and use** | The information and data contained in this sustainability data sheet is based on our knowledge and experience. The publication of a new sustainability data sheet invalidates all previous versions. Please observe the information in the Technical Data Sheet and Safety Data Sheet. The latest version is available on the Internet. Formulations are subject to change! |

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